PRELIMINARY ASSESSMENT NEW YORK AIR BRAKE COMPANY

PREPARED UNDER

FILE COPY

TECHNICAL DIRECTIVE DOCUMENT NO. 02-8710-42 CONTRACT NO. 68-01-7346

COMPLETED

FOR THE

ENVIRONMENTAL SERVICES DIVISION U.S. ENVIRONMENTAL PROTECTION AGENCY

DECEMBER 14, 1987

NUS CORPORATION SUPERFUND DIVISION

SUBMITTED BY

REVIEWED/APPROVED BY

MANE BULLIS

PROJECT MANAGER

RONALD M. NAMAN

FIT OFFICE MANAGER





POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

NYD002235216

New York Air Brake Co.

Site Name	EPA Site ID Number
Starbuck Ave, Watertown, NY 13601	02-8710-42
Address	TDD Number
Date of Site Visit: Off-Site Reconnais	ssance: November 2, 1987
SITE DESCRIPTION	
ew York Air Brake Company is located on Starbu ew York. The site encompasses approximately 2 ost of the property is covered with buildings.	2 acres outside the limits of the city
ew York Air Brake Company manufactures railroa roduction of these products requires a wide ar aste streams that are formed by the processes austic and acid precleaning for finishing line	rray of chemicals to be used. There are 3 which include foundry molding and casting
PRIORITY FOR FURTHER ACTION	: High Medium No Further Acti
RECOMMENDATIONS	
o further action is recommended as the company o remove hazardous waste from its discharge w ndustrial wastewater is discharged into the ci outine inspections and sampling of the dischar ermit.	vater. New York Air Brake's sanitary and
Prepared by: Jane Bullis	Date: November 30, 1987
of NUS Corporation	

(CONT'D)

SITE DESCRIPTION

The company has an EPA-approved pretreatment process to remove hazardous waste before it is discharged to the city sewer. N.Y. Air Brake does not have a formal permit from the city for this discharge although they have worked in accordance with them. The city routinely inspects and samples the plant to insure compliance with their SPDES permit.

\$EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

	TRICATION
C1 STATE	02 SITE NUMBER
1	

PART 1 -	SITE INFORMATI	ON AN	D ASSESSM	ENT NY	0002235216
II. SITE NAME AND LOCATION					
O1 SITE NAME (Legal, common, or descriptive name of anal)	10	2 STREE	. ROUTE NO., OF	SPECIFIC LOCATION IDENTIFIER	
New York Air Brake Company		S.	tarbúck Ávé	ı. <u>.</u>	
03 CITY	- 0	4 STATE	05 ZIP CODE	06 COUNTY	07COUNTY/08 CONG
Watertown		NY	13601	Jefferson	CODE DIST
09 COORDINATES LATITUDE LONG	ITUDE.			<u> </u>	45 26
4 30 5 9' 1 0" N 0 7 50 5	4' 0_0"W				
10 DIRECTIONS TO SITE (Starting from nearest public road)				The second secon	
Follow Route 81 north to Watertown. T Ave., make left, site is on the right.	ake Route 3 Ea	st to	Pearl Stre	et, follow Pearl Str	eet to Starbück
III. RESPONSIBLE PARTIES				The second secon	
01 OWNER (# impum)	9	2 STREE	(Business, making,)	rederius)	
New York Air Brake Company		Stari	ouck Ave.		•
03 CTY	10	4 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Watertown	1	NY	13601	(315) 782-7000	
07 OPERATOR (# Incom and different from current)	i d	8 STREE	(Business, making,	**************************************	-
					-
C9 CITY	1	O STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
13 TYPE OF OWNERSHIP (Check onto)					<u> </u>
🛭 A. PRIVATE 🗌 B. FEDERAL:	(Accept parties		C.STAT	E D.COUNTY DEM	INICIPAL :
☐ F. OTHER:	(Agency name)		_ 🗆 G. UNK		
(Specify) 14 OWNER/OPERATOR NOTIFICATION ON FILE (Check at that appear)					·
	S B. UNCONTROLLE	D WAST	E SITE (CERC) A	DATE RECEIVED: 6 /	81
				MONTH C	AY YEAR
IV. CHARACTERIZATION OF POTENTIAL HAZARD 01 ON SITE INSPECTION BY COMME	al that epoint				
DIVES DATE 3 (11 / 80	A B. EPA			C. STATE D. OTHER	CONTRACTOR
☐ NO DATE 3 /11 / 80 ☐ ALE	CAL HEALTH OFFIC	IAL C	F. OTHER:	(Specify)	
	ACTOR NAME(S): _			(access)	
	03 YEARS OF OPERAT		1.		
Ø A. ACTIVE ☐ B. INACTIVE ☐ C. ÜNKNOWN	- 8.50	1900.	AR ENDING	Active UNKNOW	N .
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, O	OR ALLEGED				
The following substances have been used	in the manuta	acturi	ng process	: trichloroethylene,	perchlorethylene,
toluene, xylene, styrene, phenol-forma	igenage botaiii	eric i	socyanate	and triethylamine.	
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/O					
The above-mentioned substances may hav	e been imprope	rly s	tored or di	sposed of, resulting	in contamination
of soil or groundwater.					
V. PRIORITY ASSESSMENT					
31 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, do.	mprece Part 2 - Weste Informs	NOT and Pa	r 3 - Description of His	Zardous Conditions and incidents	
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required)	C. LOW		Ø D. NON	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	sition form)
VI. INFORMATION AVAILABLE FROM					
01 SONTACT	02 OF (Agency/Organizati	ON!			03 TELEPHONE NUMBER
Diana Messina	U.S. EPA Regi	ion 2,	Edison, N	.J.	(201) 321-6776
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORG	WIZATION	07 TELEPHONE NUMBER	08 DATE
Jane Bullis	NUS Corp.	FI	T 2	(201) 225-6160	11 /25 /87 WONTH DAY -EAR

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

LIDENTIFICATION

O1 STATE O2 SITE NUMBER

NY D002235216

L WASTE ST	TATES, QUANTITIES, AN	D CHARACTER	STICS				·
	TATES (Check of the score)	02 WASTE QUANT		03 WASTE CHARACTE	RISTICS (Check as that as	igiyi	
I A SOLID	Z E. SLURRY R. FINES: © F. LIQUID	(Messures o	l waste quantities independent!	X A TOXIC X 8. CORROS	A	BLE I HIGHLY V	VÉ
C SLUDGE	Ĉ G. GAS	CUBIC YARDS	Unknown	C. RADIOA	CTIVE G. FLAMA FENT H. IGNITA	MABLE _ LINCOMP	ATIBLE
C D. OTHER	(Socaly)	NO. OF DRUMS				T M. NOT API	PLICABLE
I. WASTE T	YPE						· · · · · · · · · · · · · · · · · · ·
CATEGORY	SUBSTANCE N	IAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE						
OLW	OILY WASTE						
SOL	SOLVENTS		Unknown				
PSD	PESTICIDES	- Take may men be the same assets asset to				a straight a second state of	
occ	OTHER ORGANIC C	HEMICALS	Unknown	SAF - FEMALES FRANCE - THE APP. NOT THE BEST		TO AN ADDRESS WASHINGTON TO MAKE THE TAXABLE PARTY.	
ЮC	INORGANIC CHEMIC	CALS					<u></u>
ACD	ACIDS		Unknown				· · · · · · · · · · · · · · · · · · ·
BAS	BASES						
MES	HEAVY METALS						
V. HAZARD	OUS SUBSTANCES	opendu for most freque	itly case CAS Numbers)				· · · · · · · · · · · · · · · · · · ·
CATEGORY	02 SUBSTANCE	YAME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	08 MEASURE C
SOL	trichloroethyl	ene	79-01-6	Unknow	n	Unknown	
SOL	perchlorethyle	ne	127-18-4	ü		ij	
SOL	toluene		108-88-3	ii.		п	
SOL	×ylene		1330-20-7	11		ú	
SOL	styrene		100-42-5	11		ii .	
OCC	phenol-formald	ehyde	50-00-0	"		ii	
OCC	Triethylamine		121-44-8	11		11	

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, cerno-	l			<u></u>		<u> </u>	<u> </u>
	OCKS (See Aspendix for CAS Mun		22 22 3 3 3 3 3				
CATEGOR	Y 01 FEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY	01 FEEDS1	FOCK NAME	02 CAS NUMBE
FOS			ļ	FOS	<u> </u>		
FOS			•	FOS			
FDS				FOS			
				FOS		· i	

New York State Hazardous Waste Survey, Division of Solid Waste Management, 3/31/78.

Sax, N.I. Dangerous properties of industrial materials. 6th ed. New York, Van Nostrand Reinhold Co., 1984.

\$EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

NY. D002235216

	F HAZARDOUS CONDITIONS AND I	NCIDENTS LIVE	702235216
IL HAZARDOUS CONDITIONS AND INCIDENTS (Computer	1		
01 C J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:) D POTENTIAL	C ALLEGED
There is no potential for flora damage,	as the site is nearly void o	f vegetation. The fac	silitů ic
comprised of buildings and paved parkin	g lots.		y 13
01 G K, DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Iniciade numera) of souccest	02 C OBSERVED (DATE:		☐ ALLEGED
The site is entirely fenced which preve	nts fauna from coming in cont	act with the site. It	is unlikely
that runoff from the site would threate	n local fauna.		
01 🗇 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 COBSERVED (DATE:) C POTENTIAL	☐ ALLEGED
No potential exists for the contaminati	on of the food chain.		
01 C M. UNSTABLE CONTAINMENT OF WASTES	02 COSSERVED (DATE:) □ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
Containment practices of the site are u	nknown, although the City of	Watertown has not file	dany
grievances against them.		,	
01 O N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:		C ALLEGED
Because the facility's operations are to	otally enclosed and the prope	rty is level, the pote	ntial for
wastes to migrate off site via surface	runoff is low. The city sewer	department monitors w	aste that
is discharged into the sewer.			
01 🗆 O. CONTAMINATION OF SEWERS, STORM DRAINS, W 04 NARRATIVE DESCRIPTION			G ALLEGED
N.Y. Air Brake Co. is permitted to discl	harge its sanitary and pretre	ated industrial waste	into the
city sewer. The Watertown Sewerage Trea	atment Plant has a SPDES perm	it that the facility m	ust comply
01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:	POTENTIAL	☐ ALLEGED
There is no evidence of illegal or unau	thorized dumping occurring at	the site.	
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR	ALLEGED HAZAROS		
All known hazards are mentioned above.			·
		•	
III. TOTAL POPULATION POTENTIALLY AFFECTED:	1700		
IV. COMMENTS			
			·
None		•	
· · · · · · · · · · · · · · · · · · ·			
V COURGE OF INCOME.			
V. SOURCES OF INFORMATION (Cate State (attention)) 3.			
Telecon note: Conversation between Ann R NUS Corp., December 9, 1987.		*	
Telecon note: Conversation between Tom M	lorgan, NYSDEC, Regulatory Aff	airs Office, (See Att	achment)

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PRINTION OF HAZARDOUS CONDITIONS AND

J. IDENTIFICATION

01 STATE 02 SITE MUMBER

NY D002235216

	HAZARDOUS CONDITIONS AND INCIDENTS
II. HAZARDOUS CONDITIONS AND INCIDENTS	
01 C A. GROUNDWATER CONTAMINATION 03 PCPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
ne potential for groundwater contaminati	on is non-existant as N.Y. Air Brake Co. regulates waste
occur inside the company's building where	scharged into the city sewer. Any spills on site would
occur inside the company's building where	e che waste would be contained.
24 F 2 CHOCK COM TO COM	
	02 C OBSERVED (DATE) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
There is no evidence that indicates the s	site has discharged waste into the unnamed tributary adjacent to
the site. All waste is pretreated then s	sent to the city treatment facility.
01 & C. CONTAMINATION OF AIR	02 C OBSERVED (DATE:) & POTENTIAL C ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION
buring the off-site reconnaissance conduc	ted by NUS, an emission of black smoke was observed. Back-
ground information states that the compan	y has an Air 100 emissions Point Registration Number. All
other waste is confined to inside the bui	Iding.
01 D. FIRE/EXPLOSIVE CONOTTIONS	02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION
The facility is maintained and operated t	o minimize fire, explosion or releases which could threaten
workers or the environment.	
01 & E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 1700	02 I OBSERVED (DATE:) & POTENTIAL I ALLEGED O4 NARRATIVE DESCRIPTION
•	
and wastewaton although them some to	.Y. Air Brake Co. to have direct contact with filter cakes
and wascewater, artifoldir tilere seems to bi	e regular monitoring of the health and safety of the workers.
01 C. F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE: POTENTIAL □ ALLEGED 04 NARRATIVE DESCRIPTION
All waste is generated and handled inside	of the production facility; therefore, the potential for soil
contamination is non-existant.	some procession rustrings, cherefore, the potential for soil
01 T. G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED
The city of Watertown utilizes the Black !	River as a source for drinking water. The river is located
north of the city, upgradient from the si	te.
· · · · · · · · ·	
01 Z H. WORKER EXPOSURE/NJURY	00 5 00050 (50.00
03 WORKERS POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
The potential exists for the workers of N.	.Y. Air Brake Co. to have direct contact with filter cakes
and wastewater, although there seems to be	e regular monitoring of the health and safety of the workers.
01 Z I. POPULATION EXPOSURE INJURY	00 5 0000
03 PCPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE) POTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION
The site is entirely fenced with a gate a	t the entrance which limits outside injury and population
exposure. Once inside the fence, the pote	ential is still low, as the treatment system is totally
enclosed.	

(ATTACHMENT)

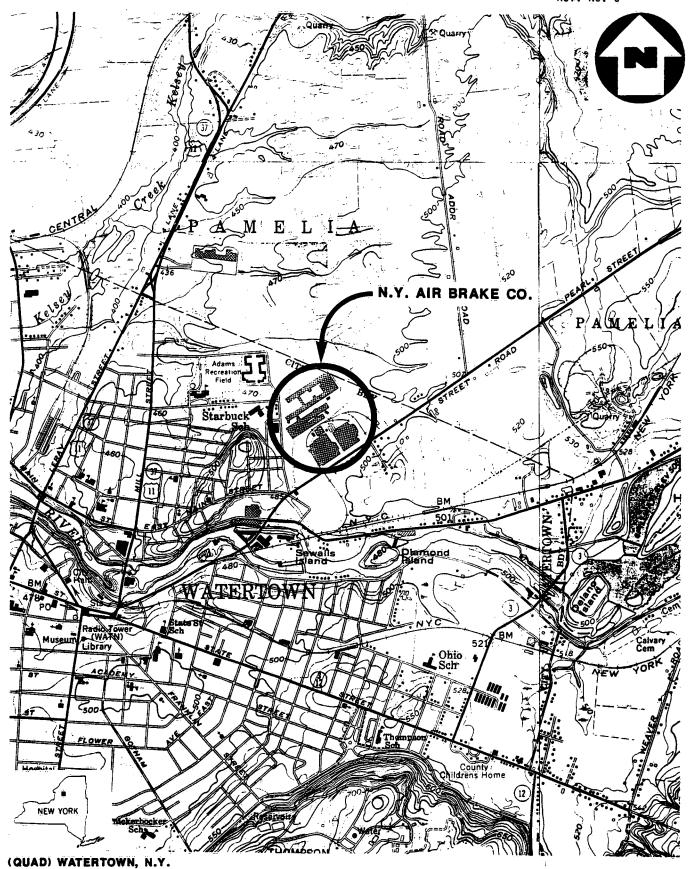
V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)
Region 6, and Jane Bullis, NUS Corp., December 9, 1987.

Telecon note: Conversation between Mike Sligar, City Engineer, Watertown, N.Y., and Jane BUllis, NUS Corp., December 9, 1987.

New York State Hazardous Waste Survey, Department of Environmental Conservation, Albany, 3/31/78. New York State Department of Environmental Conservation Order on Consent to N.Y. Air Brake Co., Draft 11/86.

General Sciences Corporation, Graphical Exposure Modeling Systems (GEMS). Landover, Maryland, 1986. NUS Corp. Region 2 FIT off-site inspection conducted on November 2, 1987, TDD No. 02-8710-42. New York State Department of Health Division of Environmental Protection Bureau of Public Water Supply Protection, New York State Atlas of Community Water System Sources, 1982.

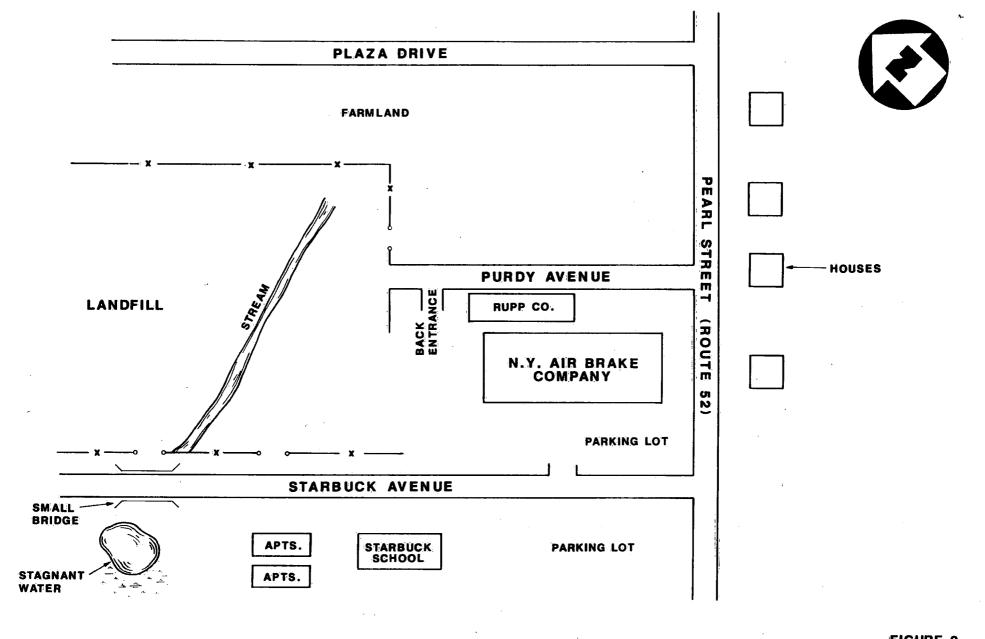
APPENDIX A MAPS AND PHOTOGRAPHS



SITE LOCATION MAP
N.Y. AIR BRAKE CO., WATERTOWN, N.Y.

SCALÉ : 1"= 2000'





SITE MAP N.Y. AIR BRAKE CO., WATERTOWN, N.Y.

(NOT TO SCALE)



EXHIBIT A

PHOTOGRAPH LOG

NEW YORK AIR BRAKE CO.

WATERTOWN, NEW YORK

OFF-SITE RECONNAISSANCE: November 2, 1987

NEW YORK AIR BRAKE CO. WATERTOWN, NEW YORK

PHOTOGRAPH INDEX November 2, 1987

Photo Number	Description	Time
1P-11	Looking east at N.Y. Air Brake Co. smoke stacks.	1520
1P-12	Looking east at N.Y. Air Brake Co. parking lot.	1521
1P-13	Looking north east at N.Y. Air Brake Co. parking lot.	1522
1P-15	Looking north at entrance gate for N.Y. Air Brake Co.	1540

All photographs taken by Jane Bullis.





1P-13

November 2, 1987 1522 Looking north east at N.Y. Air Brake Co. parking lot.



1P-15

November 2, 1987 1540 Looking north at entrance gate for N.Y. Air Brake Co.

02-8710-42-PA Rev. No. 0



November 2, 1987 1520 Looking east at N.Y. Air Brake Co. smoke stacks.



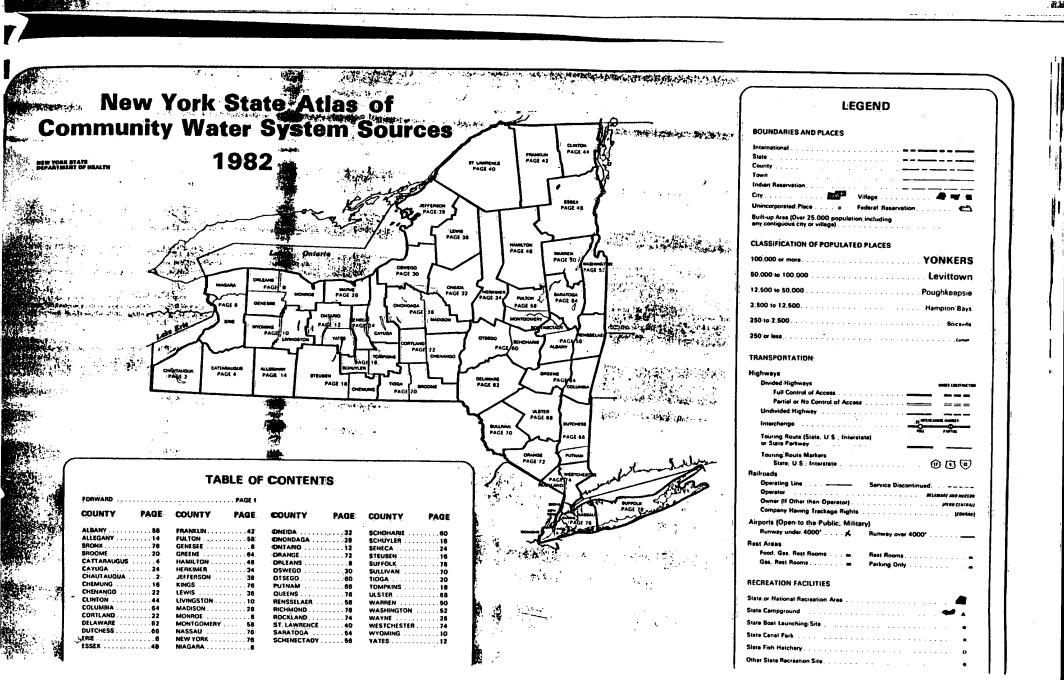
November 2, 1987 1521 Looking east at N.Y. Air Brake Co. parking lot.

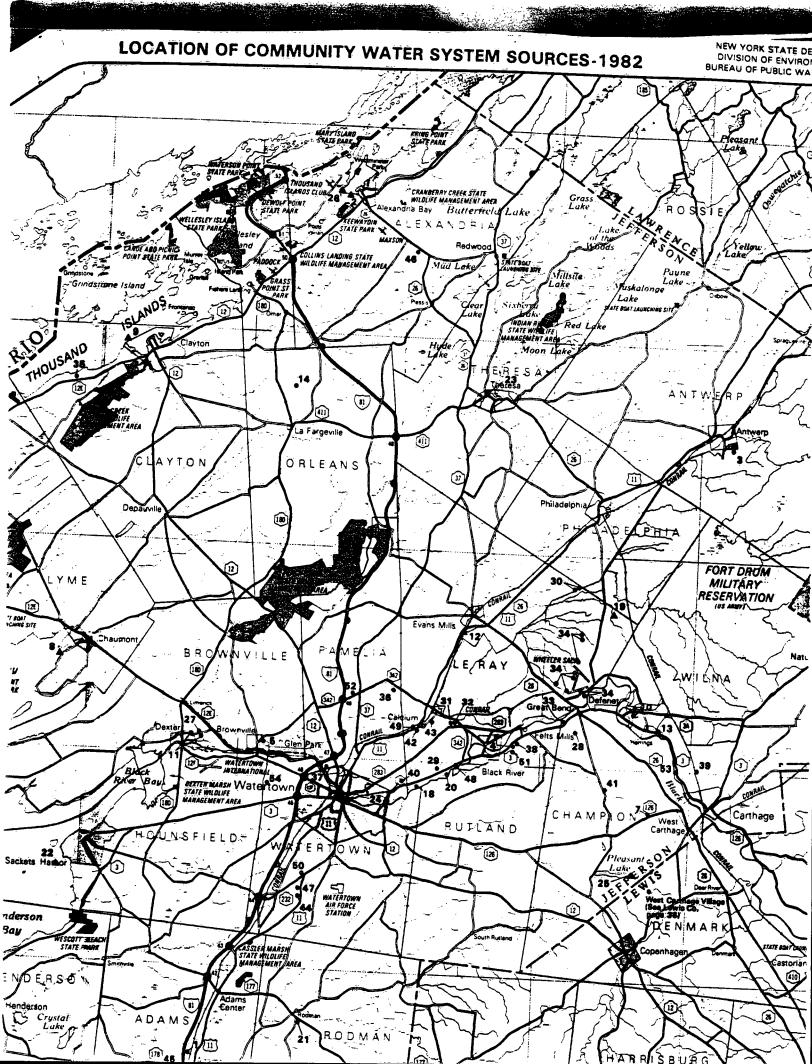
1P-11

APPENDIX B
BACKGROUND

New York State Atlas of Community Water System Sources 1982

NEW YORK STATE DEPARTMENT OF HEALTH DIVISION OF ENVIRONMENTAL PROTECTION BUREAU OF PUBLIC WATER SUPPLY PROTECTION





JEFFERSON COUNTY

```
COMMUNITY WATER SYSTEM
         ID NO
                                                                                                                                                                                                                                                                                                                                          POPULATION
                                                                                                                                                                                                                                                                                                                                                                                                                                             SOURCE
               Municipal Community
     Municipal Community

1 Adams Village. 1990. - St. Lawrence River
2 Alexandria Bay Village. 1990. - St. Lawrence River
3 Antwerp Village. 1290. - Wells (Springs)
5 Brownville Village. 1590. - Wells (Springs)
6 Cape Vicent Village. 1590. - Wells (Springs)
6 Cape Vicent Village. 750. - St. Lawrence River
Carthage Village (See No 1,
Lewis Co, Page 36). . 4500
7 Champion Hill Subdivision. 31. - Wells
8 Chaumont Village. 550. - Lake Ontario
9 Clayton Village. 2300. - St. Lawrence River
10 Deferiet Village. 2300. - St. Lawrence River
11 Dexter Village. 1070. - Wells
12 Evans Mills Village. 1070. - Wells
13 Herrings Village. 1070. - Wells
14 Lafargeville Water District. 500. - Wells
15 Mannsville Village. 576. - Wells
16 Natural Bridge Water Company East. 75. - Wells (Infiltration Gallery)
17 Natural Bridge Water Company West. 72. - Wells (Infiltration Gallery)
18 Patricia Drive Subdivision. 60. - Wells
19 Philadelphia Village. 900. - Reservoir
20 Riverbend Estates. 100. - Wells
21 Rodman Water Supply. 150. - Wells
22 Sackets Harbor Village. 1200. - Lake Ontario
23 Theresa Village. 996. - Wells
24 Watertown City. 35000. - Black River
25 West Carthage Village (See also No 14
Lewis Co, Page 36). 2300. - Pleasant Lake
                                                       Non-Municipal Community
                         Alexandria Bay USCG.
Breezy Knoll Mobile Home Park.
Bud's Trailer Court.

Colonial Manor.

Delles Mobile Home Park.

Edgewood Court #1.

Edgewood Court #2.

Fairhaven Court.

Gardner's Mobile Home Park.

Gardner's Mobile Home Park.

Gardner's Mobile Home Park.

Garland City Trailer Park.

Garland City Trailer Park.

Galls Mobile Home Park.

Hall's Mobile Home Hall's Mobile Hall's Mobile
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Press RETURN to page forward, enter Pnnn to position the starting record of the next page, enter BADK to reselect variables, or enter END to stop

NUS CORPORATION AND	SUBSIDIARIES	TELECON NOT
CONTROL NO: NIAE	DATE: 12/9/87	TIME: 0930
DISTRIBUTION:	y Assessment	N.T. A. Biake Co.
BETWEEN: Mike Sligar AND:	OF: watertow City Engine	
Jane Bin	Uis	
DISCUSSION:		
water tours	City Engineer Stat	les That 1.7. Air Brake
MOES not have	a tormal perm	t for Shew discharge
- into the citye	Sewer System	A draft permit was
ISSUED	ago although	news validated the
Compan does no	t have a SPDES	3 permit because They
in the thing	- Clischarge direct	ly into any surface
which NY A.C.	Brake must com	3 permit (#0025984)
I = I - I!	problems with Il	of corporate conditions
with their desig		le city routines
_ conducts inp	ections and san	nolin to insure
- proper compland	· e .	/
ACTION ITEMS:		
		*

<u> </u>				
CONTROL NO:	DATE:	12/9/87	TIMI	09/5
DISTRIBUTION:				
Prelimin	nan Assessa	nest N.Y.	Ar Bake	· Co.
BETWEEN:		OF: NO ST	2	PHONE:
<u> </u>	an	Deanlatory H		(35)785-2236
AND: Jane	Bullis			
DISCUSSION:				
Tom	Macan	State, Vhus	1 114	Air Brake Co.
is permitte	<i>)</i>	chare their		
pre treater			into	The city
Slive. The	e landtil	11 (1V.1. An	Brake)	has a
1 . /	Ofection.	-/	/	installed
Loom the	hate the		1 Rac	
City see	(Cury)	is also	discha	(ed) into the
N.C	. 10 0	e does no	+ have	a permit
for hazar	lous wast	P. Then M.	· · · · · · · · · · · · · · · · · · ·	more an
harardon i	vaste in	less Tha	In 90	days.
			many and a second secon	/
ACTION ITEMS:				
CHOICHENS.				
	· · · · · · · · · · · · · · · · · · ·			

NUS CORPORATION AND S	UBSIDIARIE	S	· · · · · · · · · · · · · · · · · · ·	TELECON NOTE
CONTROL NO: NYAE	DATE:	19/87	TIME	0900
DISTRIBUTION:	nany Ass	issment	NY A.	- Brake Co.
BETWEEN: Ann Rice	OF:	NYDEC A	Begion 6 Hairs	PHONE: (315) 785-2236
Jane Bullis				
DISCUSSION:			· · ·	
- Ann Bice star	tos that	N.Y. Air	Brake C	to has an
approved pretie	atment	plan -	tron V	La VICIPA
The plating wast	e is to	reated be	etive,	of is discharge
- into the City	Sewer.	The Mari	1 Head	met 1
The waste is	collectes	1 it is	percipi	tadion. Once
Hazardous Wast		* "		comitted landfill.
				
ACTION ÎTEMS:		ė · , · ·		
	•	·.		
				· · · · · · · · · · · · · · · · · · ·

Initial Mailing /0/20/77by DAID	Company Code 37433	2011/2021
Initial Contact 3/2/16 by Inc.	4	
Appointment Made // by	Company Name Diw Coch (in 1)	rake Co.
Site of Phone Visit 3/30/+6 by Dong		and lorg.
Follow-up // by	Market au montale	2 1360
Form Completed 3/30/32 by Discol	County Phone 3 4 9 5	7 - 3000
Comments: air brakes, high pursys, mute	L. SIC Codés 1. 37,4 3.	
1 / 10 - 2 3 11/1 2 2 2 2 2 2	2. 1	
5 FORM C	onf.	
3/37	73.	
•	, –	
New IOFK State . Department of Fu	Hazardous Waste Survey	
Division of S	nvironmental Conservation olid Waste Management	
50 Wolf Road, Albany, N.Y.		
TOWN LOWER STREET	. 12233 Telephone: (518) 457-6605	
	· · · · · · · · · · · · · · · · · · ·	
I. General Information		
*,	4 4	
1. Company Name NEW YORK	AIR BRAKE Co.	
		-:
Mailing Address Starbock C	lue Watertown NY.	13601
Street	City State	Zin
		æ.≠ k.
Plant Location / / Same as above		
		e e
Street	City State	Zin
		4 4 . .
2. If Subsidiary, Name of Parent Company	Whit of Henry & Sugar	Co.
	1 Unit of General Signal	C:
7 Individual Pagnan-itii		<u>Co</u>
3. Individual Responsible for Plant Operations		<u>C.</u>
7 Individual Pagnan-itii	Unit of General Signal	<u>(</u>
3. Individual Responsible for Plant Operations P. C.		<u>(</u>
3. Individual Responsible for Plant Operations Name Pur		<u>(</u>
3. Individual Responsible for Plant Operations P. C.		Co.
3. Individual Responsible for Plant Operations Name Fitle	ven Willaman	Co.
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tumping house wards on site the short the Tre - Cie him
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3) (AINT FILTER WASTE (2.12 Mg/k K. 665 / chem. Su. 3) (AINT FILTER WASTE
2) मेराया (bemical Waste
7. Industrial wastes produced or expected to be produced by plant. 1) Foundity SAND AND OTHER WASTE.
6. Is there a currently used or abandoned landfill, dump or lagoon on plant property? XYes //No
Foresteron Areth - up, fit well sto.
With with the system sullisting on - sele incommen oil.
Lord Aread break a training
5. In-house waste treatment capabilities: Now with purent (considering liqued
4. Attach flow diagrams of chemical processes including waste flow outputs (if available).
storage (if available).
3. Attach a plat or sketch of the facility showing the location of on-site process waste
3. Attach a plat or sketch of the facility showing the location of on-site process waste
2. a. Number of manufacturing employees /500- 3. A.
c. Air 100 Emission Point Registration Numbers 22/8/0 006/ 100 Emission Point Registration Numbers 22/8/0 006/ 100 60 60 60 60 60 60 60 60 60 60 60 60 6
b. To Be Built IX Yes I look by \$1 150 - call party of or skilling the location of on-site process weets. 2. a. Number of manufacturing employees 1500- 2. b. Manufacturing employees 1500- 2. b. Manufacturing the facility showing the location of on-site process weets.
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e. SPDES No. 1. a. hir Pollution Control Devices [X] Yes / Ino Types fund Studies that the Control Devices [X] Yes / Ino Types fund Studies (150-000) b. To Be Built [X] Yes / Ino by [X] / 176 c. Air 100 Emission Point Registration Numbers [200] 100 60 60 60 60 60 60 60 60 60 60 60 60 6
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E. SPDES NO. 1. 8. Air Pollution Control Devices
b. On Site Waste Water Treatment by July 1977 / Yes (No. 16, 16, 16, 16, 16, 16, 16, 16, 16, 16,
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6. Sund Hopitus Is were Treatment by July 1977 [Ves Mink

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Company	Code	371334100	T

		Company Code 37 x 33 y / CO/
II.	Was	te Characterization and Management Practice
	(Us	e separate form for each waste stream)
		Waste Stream No. Ol (from Form I, Number 17)
	2.	Description of process producing waste Foundry Muchine & CASTING
		SANDS PRE DISCARDED
	•	
	3.	Brief characterization of waste WASTE FOUNDRY SAND - NO PHENCES
	4.	Time period for which data are representative Chine. 1 5.1t. to
	5.	a. Annual waste production 3/25 /X/tons/yr. //gal./yr.
		b. Daily waste production 12.5 /x/tons/day //gal./day
		c. Frequency of waste production: //seasonal //occasional //continual
		/_/other (specify)
	6.	Waste Composition
		a. Average percent solids % b. pH range to
	,	c. Physical state: //liquid, //slurry, //sludge, /X/solid,
		//other (specify)
		d. Component Average //wet weight Concentration //dry weight
	¥	1. FOUNDRY MOLDING & CORG BUIK / Wt. % / Topm
		1. FOUNDRY MOLDING & CORG BUIK [/wt. * //ppm . SAND = Binocres Esimo /wt. * //ppm / Wt. * //ppm
		2. granular waste from small of []wt. % []ppm
		foundry Fe, Al Sandfines []wt. % []ppm
		from Shot blust & other //wt. % / Topm
		diest collectors

<u>//wt.% //ppm</u> 7 Docume II - 608 Phenol-formaldehyde Hosin) DATA Cotten from

	1 / - 1						 		
Company	Codel 31	·+	4	.3	- 1	U)	12	
			_/	3	,		 ٠,	C. 1	

	•	
		Company Code 3 7 4 3 3 4 / 0 0
	e	Analysis of composition is //theoretical //laboratory /X/estimate (attach copy of laboratory analysis if available)
	f.	Projected //increase, //decrease in volume from base year:% by July 1977;
		% by July 1983.
	g.	Hazardous properties of waste: //flammable //toxic //reactive //explosive
•		//corrosive /X/other (specify) unknown
7.	Or	Site Storage
	a.	Method: //drum, //roll-off container, //tank, //lagoon, //other(specify)
		Typical length of time waste stored / //days, /X/weeks, //months
		Typical volume of waste stored 12.5 /x/tons, //gallons
		Is storage site diked? //Yes /X/No
	e.	Surface drainage collection / /Yes /X/No
8.	Tr	ansportation
	a.	Waste hauled off site by //you //others N/A
		Name of waste hauler
		Address
		Street
		State Zip Code Phone
9.	Tr	eatment and Disposal
	a.	Treatment or disposal: (X/on site //off site
	ь.	Waste is //reclaimed //treated /X/land disposed //incinerated
		//other (specify)
	c.	Off site facility receiving waste
		Name of Facility
		Facility Operator
		Facility Location
	1	Street
		State Zip Code Phone

Company	Code	374334160	7
	CCUC	レージコブト リンコメリケーショント	_/

II. Waste Characterization and Management Practice (Use separate form for each waste stream)

1.	Waste Stream No. (2 (from Form I, Number 17)
2.	Description of process producing waste (105716 & 19610 precleaning in plat
	other metal finishing lines, other plating & metal finishing w
3.	including chanating Metal parts cleaning, Muchine lubricans Metal machine lubrication & others Brief characterization of waste
	their & (postre frating wastes, Tramp cits, coolants
	& Solvents.
4.	Time period for which data are representative Current est. to
5.	a. Annual waste production 270,000 / tons/yr. /X/gal./yr.
	b. Daily waste production //25 / tons/day /X/gal./day
	c. Frequency of waste production: //seasonal //occasional /X/continual
	//other (specify)
6.	Waste Composition
	a. Average percent solids % b. pH range to Also, Semi-ques
	c. Physical state: X/liquid, //slurry, //sludge, //solid,
	//other (specify) Na 10 10 10 All
	d. Component Average //wet weight Concentration //
	1) Plating Wask's including strong of 45 Total
	. Weak acids & Caustics (Naon) []wt. % []ppm Sh. Ba Bi, B . Wak acids & Caustics (Naon) []wt. % []ppm Ma, Ma, Mb,
	Chromating wastes che []wt. % []ppm Si, W, V, 7.
(D. Organic waster ic. waste 30 1x/wt. 1 /ppm Ti, Co. 70,
	solvents of oil mineral spirits (bulk) [Twt. % [Tppm
	tuchlorethyleice {0.5} 1X/wt. % //ppm
	tlunsmission oil (Type A-Auro) (next 1451) Twt. % / Tppm
(カール ト ビュール・ / ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
	(Mustin Chamina)
	berdegrande)

Company	Code 3	9 1.7	1.3	 Ü	/	انتر	٠.,	
	0000	LZ. 1 %		 Y	<i>! (</i>	CI	CI	

e. Analysis of composition is / /theoretical / /laboratory //estimate (attach copy of laboratory analysis if available)
f. Projected //increase, //decrease in volume from base year: % by July 1977;
% by July 1983.
g. Hazardous properties of waste: $(X/flammable / Y/toxic / /reactive / /explosive$
/\frac{\lambda}{\lambda}\corrosive \frac{\lambda}{\lambda}\text{other (specify)}
7. On Site Storage
a. Method: //drum, //roll-off container, //tank, //lagoon, //other(specify)
b. Typical length of time waste stored 1-1/2/days, /x/weeks, //months
c. Typical volume of waste stored score //tons, /x/gallons
d. Is storage site diked? //Yes //No
e. Surface drainage collection //Yes //No holding tank
eta . Transportation
a. Waste hauled off site by / /you /X/others
b. Name of waste hauler Tricil Praste Management from to
Address 701 Evans live forest
b. Name of waste hauler <u>Jricil Parte Management Limited</u> Address <u>701 Evans live Josento</u> Street Contario (416) 621-9752 State Zip Code Phone
9. Treatment and Disposal
a. Treatment or disposal: $\overline{//o}$ on site $\overline{/X/o}$ off site
b. Waste is //reclaimed //treated //land disposed //incinerated
//other (specify)
c. Off site facility receiving waste
Hame of Facility Trucil
Facility Operator
Facility Location
Street City ()
State Zip Code Phone

Company Code	374	3341	001

II. Waste Characterization and Management Practice (Use separate form for each waste stream)

ı.	Waste Stream No. 23 (from Form I, Number	r 17)
2.	Description of process producing waste	Spring Painting - Dry Filters
	Collect paint Solids	
ż.	Brief characterization of waste USect	paint filters
		,
4.	Time period for which data are representat	ive Current est. to
5.	a. Annual waste production / / /X/t	ons/yr. / /gal./yr.
	b. Daily waste production N/A //t	ons/day //gal./day
	c. Frequency of waste production: //seaso	nal //occasional //continual
	<u>/</u> /other	(specify) //wk
6.	Waste Composition	
	a. Average percent solids % b. pH ran	geto
	c. Physical state: //liquid, //slurry, /	/sludge, W/solid,
	//other (specify)	
	d. Component	Average //wet weight Concentration //dry weight
	1. BASIC BLACK PRINER So	1.2. //wt.% //ppm
	2. Some BLALLE ENAMEL	//wt.% / /ppm
	3. Toluene	trace //wt.% //ppm
	4	//wt.% //ppm
	5	/_/wt.% /_/ppm
	6	/_/wt.% / /ppm
	7	/_/wt.% //ppm
	8	
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Company	Code 3 7	Y	3 3	4	1	6	7
		1	= -		, ,	 	,

e.	nalysis of composition is //theoretical //laboratory /x/estimate attach copy of laboratory analysis if available)
f.	rojected //increase, //decrease in volume from base year: % by July 1977;
9	% by July 1983.
g.	azardous properties of waste: //flammable //toxic //reactive //explosive
	[/corrosive X/other (specify) unknown
7. On	ite Storage
	ethod: //drum, /X/roll-off container, //tank, //lagoon, //other(specify)
b.	upical length of time waste stored 1.2.7 /x/days, / /weeks, / /months
c. :	ppical volume of waste stored Neg. //tons, //gallons.
d. :	s storage site diked? //Yes ///No
	rface drainage collection / /Yes /X/No
ं. Tran	sportation
a. k	aste hauled off site by / /you / /others N/+
b. 1	nme of waste hauler
A	ldress
	Street
	State Zip Code Phone
9. Trea	ment and Disposal
a. T	eatment or disposal: X/on site //off site
b. 12	ste is //reclaimed //treated //land disposed //incinerated
· <u>/</u>	/other (specify)
	f site facility receiving waste
N	me of Facility
F	cility Operator
Fä	cility Location
	Street
	State Zip Code Phone

INDUSTRIAL CHEMICAL SURVEY

PART !

ANY NAME	RESS. ATTENTION: I	INDUSTRIAL CHEMICAL SURVEY.			K.	
THE HAME			SIC CODE (If	known)	NEST C	E USE ON
MEW YORK AIR BRAKE	co.		37	122		-
ANY MAILING ADDRESS	-	CITY				773
Starbuck Ave.		Watertown	STATE New Yo	~ ~ 1 .	ZIP CO	
NAME (If different)	CONTAC		· ·			3601
: ADDRESS (if disterent)	F.	W. Denney, Supt. M. 8	S C. Div	TELEPHON		2 7001
est and the strike selection		CITY	STATE	1 (3	315) 78: ZIP CO	
PAL BUSINESS OF PLANT					ZIF CO.	باد ,
					!	·
(II parent company, give name and addresses of	and sir brak	es, hydraulic pumps &	e motors	_		
(If parent company, give name and addresses of and submitted for each)		noraries, etc. logated in New York	State. A separate que	stionnaire i	s to be com	pleted
		•				
		•	-			
		PARTII				
	Disch	9999 1-6				
1. Does your plant discharge liquid was	Sies to a munici	pally owned sanitary sewer	evetom?			
TO THE TAX TO THE TAX	20 10 11		a Karátit.		∑ Yes	
2. Is your facility permitted to discharg	e liquid wastes	under a State (SPOES) or				
again, (in pea) bening?				·		
3. Do you discharge liquid wastes in an	y other manner	Permit Number	ଠାରାଣ୍ଡ	174	. ☐ Yes	\square \wedge
Explain Non-contact cooling	vater & stor	om drainage to City a	50000 600000	• • • • •	। 🖸 Yes	
in any or the above are tryaction		•			. !	
a. Do you discharge process or chemicontact cooling water and scrubber	ical wastes — (i	A water used in manufacture			1	
contact cooling water and scrubber	r water)?	· · · · · · · · · · · · · · · · · · ·	ring including dir	ect	!	
b. Do you discharge non-contact cool c. Do you discharge collected storm					Yes	=
					↓ ∑ Yes	=
d. Do you discharge sanitary wastes	on!y}		· • • • • • • • • • • • • • • • • • • •	• • • • • •	.=	
1. Does your facility have sources of no	iccible emission			<u> </u>	Yes Yes	N
1. Does your facility have sources of po 2. Enter Location and Facility Code as s	barre emission	is to the atmosphere?			⊠ Yes	
Control Application for Permits and C	ertification (If a	ir Politicion			1	
			3 0 0 0 0	6 1	1	
List Name and Address of Firm (Includ	ding yourself) re	emoving wastes other than of	(6) 00 0 0 0		!	<u> </u>
		de la contraction de la contra	ince and careteria	refuse.	1	
New York Air Brake Co				•		
	City Watertown	State Zip Code New York 13601			1	
Name Tricil Limitee		New IOIR 13001			1	
Address	City			•	1	
C. P. 59, Ville Ste-C	Catherine, O	State Zip Code			1 . 8	<u>=</u>
. List Location(s) of Landfil!(s) owned a	rd wood b	/ in		!	Active	hactive
				•	1 🚡	<u> </u>
Town of Pamelia, Jeff	erson Co. N	. Y.	•	ļ	I	ن ن
2				1		Ц
						ب
. Does this facility:						نا
Manufacture Pesticides or Pesticid	e Product Ingred	dients?	••=		. — — — — — — — — — — — — — — — — — — —	
Formulas Provides or Pesticide Pro	oduct Ingredient	\$?	• • • • • • • • • • • •	•••••;		区: SQ
Pomodiana o assistante			• • • • • • • • • • • • • • • • • • • •	• • • • • •	_	K No
Repackage Posticidos?		• • • • • • • • • • • • •		•••••	Yes	K NO

2. EPÄ Establishment Nomber

SUBSTANCES OF CONCERN (Refer to attached TABLE I)

77733.

Complete all information for those substances your facility has used, produced, stored, distributed or otherwise disposed of since January 1, 1971. Do not include chemicals used only in analytical labeled by work. Enter the name and code from Table 1, if facility uses a substance in any of the Classes A = F which is not specified in the list, enter it as well as plus 99, e.g. 899 with name, usage, etc.

	i	AVERAGE		10	1	PURPOSE OF USE
NAME OF SUBSTANCE		ANNUAL USAGE	WON THUOMA GNAH NO	CAI	=	(State which as a material and a second
Trichlorethylene		20,075	1595	X		Cleaning solvent for in-pla
7	-					use.
Perchlorethylene	122	2,640	110	X		Cleaning solvent for in-pla
m. 1						une.
Toluene	<u> </u>	15	110	X	;	Used as trial solvent only.
Xylene	1003	7,975	1265	X		Paint Thinner for product p
						ing.
Styrene (Imprex 95-500 Resin)	207	1,210	220			Resin sealant for control v
	1			1.		castings - Styrene content p
71.					I	prictary.
Phenol-formaldehyda	-	515	220	X		Three components mixed with
Resin (Isocure I-308)						sand to produce sand cores f
Polymaric Isocyanate		155	385	\mathbf{x}		Foundry castings.
(Isocure II 608) Triethylamine						•
	<u> - </u>					
(Isocure Catalyst 700)		227	110	X		
	!		7			
	1 - 1				j	
	! !					
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					1	
e chemicals of unknown composition. Het re-de-			<u></u> _			
e chemicals of unknown composition, list trade nor	ne or othe	r identification, nam	e of supplier and o	omp	iețe	information.
NAME OF SUBSTANCE ANNUAL	-	INT NOW INT				PURPOSE OF USE

NAME OF SUBSTANCE

ANNUAL
USAGE

ON HAND

ON HAN

I hereby affirm under penalty of perjury that information provided on this form is true to the best or my knowledge and bettef. False statements made hereia TURE (Owner, Partner, or Officer)

DVIE

September 30, 1977

(Printed or Typed)

Donmare

TITLE

man Malan & Comme Berry

New York State Department of Environmental Conservation

MEMORANDUM

TO:

Distribution Norman Parratt

FROM:

New York Air Brake - Phase II Order

SUBJECT:

December 4, 1986

DATE:

The most recent draft of the proposed New York Air Brake Order is attached. The Site is a 2a on the Registry and this Order takes us through a field investigation with the possibility of a further Consent Order is both parties agree upon the necessity of remedial action to be taken at the Site.

New York Air Brake put hazardous materials in their landfill between 1970 and 1977. An initial test of the leachate by the regional staff showed only very small concentrations of PCBs and no other hazardous wastes.

I am prepared to send this Order to New York Air Brake on December 15, 1986 and I would like your comments by December 12, 1986.

NP:cj

Attachment

Distribution:

D. Engel

M. Millspaugh

J. Iannotti

D. Swerdowski, Region 6'

J. Drabicki, Region 6

R. Tramontano, DOH

RECEIVED

- SERVATION

12/22

Mary Com Property

RELINE OF ENDINEER



New York State Department of Environmental Conservation

MEMORANDUM

TO:

Charles Goddard

FROM:

Darrell Sweredoski, Region 6

SUBJECT:

FIFTH ROUND, PHASE I SITE INVESTIGATION

DATE:

March 11, 1986

We have reviewed the list of sites proposed for Fifth Round Phase I Site Investigation and have the following comments.

New York Air Brake Company - 623003

Dave Engel and his staff from the Division of Environmental Enforcement are currently seeking to negotiate a consent order with this company to perform an RI/FS. We are hopeful that such a study will be initiated soon.

Whitestown Municipal Landfill - 633013

The Bureau of Municipal Waste has awarded a contract to Dunn Geoscience for a Groundwater Contamination Assessment Study which began in December 1985. This information should be included in the Phase I investigation.

Please contact me if you have any other questions.

Darrell M. Sweredoski, P.E.

Sr. Sanitary Engineer

Region 6

DMS: kw

In the Matter of a Field
Investigation to Identify
Any Threat to the Environment
Caused by the Disposal of
Industrial and Hazardous
Wastes by

ORDER ON CONSENT

Index #T120486

NEW YORK AIR BRAKE COMPANY,

Respondent.

WHEREAS.

- 1. The New York State Department of Environmental Conservation (the "Department") is responsible for the enforcement of Article 27, Title 13, of the Environmental Conservation Law of the State of New York (the "ECL"), entitled "Inactive Hazardous Waste Disposal Sites".
- 2. New York Air Brake Company, (the "Respondent"), is a corporation organized and existing under the laws of the State of New York, and is doing business in the State of New York in that Respondent operates an air brake manufacturing facility in Watertown, New York.
- 3. Respondent owns and operates an industrial waste landfill (the "Site") at its property at Starbuck Avenue, Watertown, New York (the "Site"). A map of the Site is attached and is hereby incorporated into this Order as Appendix "A".
- 4. Hazardous wastes were disposed of at the Site between 1970 and 1977. The Site is presently classified on

the Department's Registry of New York State Inactive
Hazardous Waste Disposal Sites (the "Registry") as a "2a" a
site for which there is insufficient information to determine
the significance of the threat, if any, posed by the Site to
the public health or the environment.

- 5. The Department alleges that the hazardous wastes, constituents and degradation products thereof at the Site constitute a threat to the environment.
- 6. Pursuant to ECL §27-1305(4)(a), the Department "shall conduct investigations of the sites listed in the Registry... The purpose of these investigations shall be to develop the information required by subdivisions two (assessment of significance) and three (detailed site information)."
- 7. The Department and Respondent acknowledge that the goals of this Order shall be that Respondent:
- a. Develop and implement a field investigation program to:
- (i) determine the nature of the wastes and the areal and vertical extent and distribution of the wastes disposed of at the Site;
- (ii) identify any past, current and/or potential releases or migration of hazardous wastes: and
- (iii) evaluate the on-Site and identify potential off-Site impacts, if any, of the disposal, release and migration of hazardous wastes upon the environment.
 - b. If necessary, based upon the findings of the field

investigation, develop and implement an inactive hazardous waste disposal site remedial program, as that term is defined in ECL Section 27-1301(3), for the Site and for affected off-Site areas. The activities undertaken pursuant to the remedial program may include elimination, removal, abatement, controlling or monitoring any present or potential hazards to the environment and/or public health at the Site and at affected off-Site areas. The goal of the remedial program shall be the elimination of any significant threat to the environment and/or conditions dangerous to life or health posed by the disposal of hazardous wastes at the Site.

- c. Undertake to meet the requirements for operation of the industrial/commercial landfill at the Site set forth in Appendix "D", Operation Requirements.
- 8. Respondent, having waived its right to a hearing herein as provided by law, and having consented to the issuance and entry of this Order, agrees to be bound by the provisions, terms and conditions hereof.

NOW, having considered this matter and being duly advised. IT IS ORDERED THAT:

I. All investigations, proposals, reports, plans, remedial programs, and supplements and revisions thereto required by this Order shall address both on-Site and off-Site contamination, if any, caused by the disposal of hazardous wastes at the Site, and shall be prepared, designed and executed in accordance with Requisite Technology. As used in this Order, Requisite Technology means engineering,

scientific and construction principles and practices subject to the Department's approval, which (a) are technologically feasible and cost effective, and (b) will most effectively eliminate, remove, abate, control or monitor, as appropriate, any present or potential future significant threat to the environment posed by the disposal of hazardous and industrial wastes at the Site.

The failure of Respondent to submit or undertake a proposal, report, field investigation, construction program plan or any supplement or revision thereof, required under this Order, which is in accordance with Requisite Technology shall constitute a violation of this Order.

- II. As used herein, "hazardous wastes" shall mean hazardous wastes, as defined at 6 NYCRR 371, and any constituent or degradation products of such wastes which satisfy the definition of "hazardous wastes" or "hazardous constituents".
- III. Respondent shall undertake a field investigation of the Site and identify off-Site areas, if any, potentially affected by the disposal of hazardous and industrial wastes (the "Field Investigation").
- IV. Within forty-five (45) days after the effective date of this Order, Respondent shall submit to the Department a proposed written scope of the work (the "Proposal") outlining the nature and extent of the work to be undertaken in conducting the Field Investigation. At a minimum, the Proposal shall include:

- a. A brief history and description of the Site, including, if known, the types, quantities, physical state and location of hazardous wastes disposed of, including spills, at the Site, and the dates and methods of disposal and spillage of such wastes;
- b. A description of the results of all previous investigations of the Site and of investigations known by Respondent to have been conducted of areas in the vicinity of the Site, including an inventory of all topographic and property surveys and engineering reports or plans;
- c. A historical inventory of all aerial photography available for the Site, and in Respondent's possession or concerning which Respondent has knowledge, including date of flight, area of coverage, scale of reprints, and present owner of photography;
- d. The methods and procedures by which the types, quantities and the areal and vertical extent of hazardous waste present on-Site and the methods and procedures by which potentially affected off-Site areas shall be identified.
- e. The methods by which the hydrogeological conditions at and in the vicinity of the Site shall be determined, to include, but not be limited to:
- Locations for and number of exploratory borings and groundwater monitoring wells;
 - Instrument surveys and geophysical methods;
- 3. <u>Groundwater</u>, surface water, soil, sediment, sludge, and waste sampling and analysis;

- 4. Procurement and review of historical data, including climatological and land use records;
- 5. Hydrogeologic testing (aquifer pump tests, permeability testing, etc.); and
 - 6. Piezometric monitoring;
- f. The methods which shall be utilized to determine the past, present and potential release and migration of hazardous wastes, from the Site, and from locations in the vicinity of the Site, to include the number, location and types of samples to be collected and the specific analytical procedures and protocols to be employed and followed on each sample;
- g. An identification of all households, persons, and industries in the vicinity of the Site who utilize private wells as a source of drinking, household, or irrigation water:
- h. A time schedule for the initiation and completion of the Field Investigation and submission of a Report to the Department; and
- i. A health and safety plan for the protection of persons at and in the vicinity of the Site during the performance of the field Investigation. Such plan shall satisfy all state and federal rules and regulations regarding occupational safety and health.
- V. Within thirty (30) days after receipt of the Proposal, the Department shall provide at least one opportunity for its representatives to meet with Respondent's

representatives to discuss, address, if possible, concerns or questions the Department may have regarding the Proposal.

Within forty-five (45) days after the receipt of the Proposal, The Department shall provide written notification to Respondent of its approval or disapproval of the Proposal. If the Department approves the Proposal, Respondent shall perform the Field Investigation in accordance with the Proposal.

If the Department disapproves the Proposal, the Department shall notify Respondent in writing of the Department's objections. Within thirty (30) days after receipt of notice of disapproval, Respondent shall revise the Proposal in accordance with the terms, provisions and conditions of this Order and shall submit to the Department a proposal which has been revised in accordance with the Department's objections (the "Revised Proposal").

Within fifteen (15) days after receipt of the Revised Proposal, the Department shall provide written notification to Respondent of its approval or disapproval of the Revised Proposal. If the Department approves the Revised Proposal, Respondent shall perform the Remedial Investigation in accordance with the Revised Proposal.

If the Department disapproves the Revised Proposal, the Respondent shall be in violation of this Order, not having submitted an approvable proposal in accordance with the terms of this Order.

The Department shall not unreasonably withhold its

approval of the Proposal or the Revised Proposal and, in its review, shall be guided by generally accepted scientific practices and principles.

The approved Proposal or the approved Revised Proposal shall be attached hereto as Appendix "B". Such Proposal shall hereafter be referred to as the "Approved Proposal".

- VI. Within the time schedule set forth in the Approved Proposal, Respondent shall submit to the Department a Field Investigation Report (the "Report") founded upon its performance of the Field Investigation in accordance with the Approved Proposal. The Report shall include a copy of the Approved Proposal, and all data generated, and all other information obtained, during the Field Investigation and shall also include, but shall not be limited to, the following specific information with respect to the Site and areas affected by the disposal of hazardous and industrial wastes at the Site:
- a. A topographic survey and a resultant plot plan, including establishment of on-Site benchmarks;
- b. A summary of environmental conditions, including, but not limited to: annual and seasonal climatological conditions, drainage, water balance, stream flow data, wildlife habitats, land use, soil conditions, hydrogeologic characteristics, surface and groundwater quality and air quality; said summary to include maps, tables, graphics, and any other appropriate means of presenting all information;
 - c. All data collected during the Field Investigation

and/or used in preparing the Report, including, but not limited to: exploratory boring logs, monitoring well details and the results of chemical analyses performed on samples obtained during the Field Investigation; said data presented to be presented in tabulated and/or graphic form where appropriate;

- d. An estimation of the types and quantities of hazardous wastes present, as well as the areal and vertical extent of such wastes, which estimation shall result in the preparation of a waste location and concentration map and cross-section of the waste disposal area;
- e. A study and evaluation of the hydrogeologic conditions at and in the vicinity of the Site;
- f. Results of all instrument and geophysical survey work conducted at the Site;
- g. A determination of the nature and extent of actual and potential release and migration of hazardous wastes from the Site through surface water, groundwater, air, soil and sediment to other on-Site or off-Site areas;
- h. A determination of the extent to which both on-Site and off-Site surface water, groundwater, air, soil, sediment and biota have been, are being or may be contaminated by hazardous wastes;
- i. An assessment of the results of the Field

 Investigation and a determination of the current or potential impacts of any significant threat to the environment which exists, or may exist in the future, at the Site or off=Site,

as a result of the hazardous and industrial wastes disposed of at the Site:

- j. References to all scientific or technical literature used in the preparation of the Report; and
- k. Names, titles and disciplines of all professionals engaged in the preparation of the Report.
- VII. The Department reserves the right to request a modification and/or an amplification and expansion of the Field Investigation and Report by Respondent to address specific on-Site or off-Site areas if the Department determines that further investigation is necessary, as a result of reviewing data generated by the Field Investigation or as a result of reviewing other data or facts.
- VIII. Within thirty (30) days after its receipt of the Report, the Department shall provide at least one opportunity for its representatives to meet with Respondent's representatives to discuss, address, if possible, concerns or question the Department may have regarding the Report.

Within forty-five (45) days after receipt of the Report, the Department shall provide written notification to Respondent of its approval or disapproval. If the Department disapproves the Report, Respondent shall revise and resubmit the Report within thirty (30) days of receipt of the Department's notification (the "Revised Report").

Within fifteen (15) days of receipt of the Revised

Report, the Department shall provide written notification to

Respondent of its approval or disapproval. If the Department

disapproves the Revised Report, Respondent shall be in violation of this Order, not having submitted an approvable Report in accordance with the terms of this Order.

The Department shall not unreasonably withhold its approval of the Report or the Revised Report and, in its review, shall be guided by generally accepted scientific practices and principles.

- IX. The Approved Report or the Approved Revised Report shall be attached hereto as Appendix "C". Such Report shall hereafter be referred to as the "Approved Report".
- X. At any time during the course of or after the completion of the Field Investigation, the Commissioner of Environmental Conservation (the "Commissioner") will make a determination of whether the Site constitutes a significant threat to the environment, whether Respondent shall be required to undertake an inactive hazardous waste disposal site remedial program, and whether the Site should be reclassified on the Registry. Any such determination shall be provided to Respondent by the Department in writing.
- XI. Within thirty (30) days after receipt of a determination by the Commissioner that the Site constitutes a significant threat to the environment, Respondent shall notify the Department in writing of its agreement or disagreement with said determination.
- a. If Respondent agrees with said determination, and if Respondent consents to undertake an inactive hazardous waste disposal site remedial program, then this Order shall be

modified within thirty (30) days to include provisions for the development and implementation of such remedial program acceptable to the Department.

b. If Respondent disagrees with said determination, or if Respondent does not consent to undertake an inactive hazardous waste disposal site remedial program which is approved by the Department, then the Department shall have the right to pursue whatever relief may be legally available to it, without prejudice to Respondent's right to contest the

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XII. Respondent shall meet the requirements for operation of the industrial/commerical landfill at the Site set forth in Appendix "D", Operation Requirements.

in Appendix "D", Operation Requirements.

XIII. The Department shall have the right to obtain "split

samples" or "duplicate samples" of all substances and

materials sampled by Respondent pursuant to this Order.

XIV. Respondent shall provide notice to the Department of any excavating, drilling or sampling to be conducted pursuant

advance of such activities.

Respondent shall permit any duly designated officer,

employee, consultant, contractor or agent of the Department to enter, at reasonable times and upon reasonable notice, except no notice will be required for regulatory inspections at the landfill, upon the Site or off-Site areas in the vicinity of the Site which may be under the control of vicinity of the Site which may be under the control of

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making or causing to be made such sampling and tests as the Department deems necessary, and for ascertaining Respondent's compliance with the provisions of this Order. Respondent shall have the right to obtain "split samples" or "duplicate samples" of all substances and materials sampled by the Department.

XVI. Respondent shall make all reasonable attempts to obtain whatever permits, easements, rights-of-way, rights-of-entry, approvals or authorizations which are necessary in order to perform the Field Investigation and all of Respondent's other obligations pursuant to this Order.

XVII. Respondent shall retain a third-party professional consultant, contractor and/or laboratory to perform the technical, engineering and analytical obligations required by this Order.

XVIII. Respondent shall not suffer any penalty under any of the terms of this Order or be subject to any proceedings or actions for any remedy or relief, if it cannot comply with any requirements of the provisions hereof because of an act of God, war, riot, strike, catastrophe, or other condition as to which negligence or willful misconduct on the part of Respondent was not a proximate cause, provided, however, that Respondent shall immediately notify the Department in writing when it obtains knowledge of any such condition and request an extension or modification of the terms of this Order.

XIX. Within thirty (30) days of the Department's approval of the Field Investigation Report, Respondent shall pay to

the Department a sum of money which shall represent payment for the Department's expenses for analytical costs and contractor costs incurred by the State of New York for sampling and analysis of samples taken by the Department during the Field Investigation. Such payment shall be to the Hazardous Waste Remedial Fund.

XX. The failure of Respondent to comply with the terms of this Order shall constitute a default and a failure to perform an obligation under this Order and under the ECL.

XXI. Nothing contained in this Order shall be construed as barring, diminishing, adjudicating or in any way affecting (1) any legal or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against anyone other than Respondent, its directors, officers, employees, servants, agents, successors and assigns; (2) the Department's right to enforce, at law or in equity, the terms and conditions of this Order against Respondent, its directors, officers, employees, servants, agents, successors and assigns in the event that Respondent shall fail to fulfill its obligation under the Order; and (3) the Department's right to bring any action, at law or in equity against Respondent, and its successors and assigns with respect to remediation or restoration areas or resources that may have been affected or contaminated as a result of the release or migration of hazardous wastes from the Site.

XXII. The Department hereby agrees not to seek penalties or commence any action or proceeding in connection with,

relating to, or arising out of Respondent's past disposal of hazardous wastes at the Site, except as reserved in Paragraph XX above, or Respondent's past, present or future operation of the Site as an industrial waste landfill as long as Respondent: (1) complies with the terms of this Order; (2) meets the requirements for operation of the Site set forth in Appendix "D"; and, (3) there is no disagreement under Paragraph XI of this Order. The terms of this Order shall not be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers, either at common law or as granted pursuant to statute or regulation.

XXIII. Respondent shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless for all claims, suits, actions, damages and costs of every name and description (collectively, "Liabilities") arising out of or resulting from the fulfillment or attempted fulfillment of the terms hereof by Respondent, its directors, officers, employees, servants, agents, successors or assigns, except that Respondent shall not indemnify and hold the Department, the State of New York, and their representatives harmless for Liabilities to third parties arising from specific actions, if any, which the Department may require Respondent to take despite Respondent's reasonable objections that such actions forseeably could give rise to Liabilities from third parties.

XXIV. The effective date of this Order shall be the date

this Order is signed by the Commissioner.

XXV. If, for any reason, Respondent desires that any term of this Order be changed, Respondent shall make timely written application therefor to the Commissioner, setting forth reasonable grounds for the relief sought.

XXVI. Within thirty (30) days after the effective date of this Order, Respondent shall file a Declaration of Covenants and Restrictions with the Jefferson County Clerk's Office, for the purpose of providing notice of this Order to all potential future purchasers of any portion of the Site. Said Declaration must indicate that any successor in title to any portion of the Site shall be responsible for implementing the provisions of this Order. A certified copy of said filing shall be provided to the Department.

XXVII. In the event that Respondent proposes to convey the whole or any part of its ownership interest in the Site, Respondent shall, not less than thirty (30) days prior to the consummation of such proposed conveyance, notify the Department in writing of the identity of the transferee and of the nature and date of the proposed conveyance. In advance of such proposed conveyance, Respondent shall notify the transferee in writing, with a copy to the Department, of the applicability of this Order.

XXVIII. A. All communication required by this Order is to be made between the Department and Respondent shall be made in writing and transmitted by United States Postal Service Return Receipt Requested or hand delivered to the address as

listed hereunder.

- B. Communication to be made from Respondent to the Department shall be made as follows:
- 1. Two copies to the Division of Solid and Hazardous Waste, Room 209, 50 Wolf Road, Albany, New York 12233, Attention: Director.
- 2. Two copies to Director, Division of Environmental Enforcement, Room 618, 50 Wolf Road, Albany, New York 12233.
- 3. Two copies to the Regional Director, Region 6, 317 Washington Street, Watertown, New York 13601.
- 4. Two copies to the New York State Department of Health, Empire State Plaza, Corning Tower, Albany, New York 12237, Attention: Ronald Tramontano.
- C. Communication to be made from the Department to Respondent shall be made as follows:

Mr. Michael G. Souva

Manager, Plant Engineering

Dynapower and Stratopower

Starbuck Avenue

Watertown, New York 13601

- D. The Department and Respondent respectively reserve the right to designate other or different addresses on notice to the other.
- XXIX. The terms of this Order shall be deemed to bind Respondent, its officers, directors, agents, servants, employees, successors and assigns.

XXX. Nothing herein shall be construed to bind any entity

CONSENT BY RESPONDENT

Respondent hereby consents to the issuing and entering of this Order, waives its right to a hearing herein as provided by law, and agrees to be bound by the provisions, terms and conditions contained in this Order.

NEW YORK AIR BRAKE COMPANY

	ву:	
	Title:	
·	'Date:	
STATE OF NEW YORK)		٠
COUNTY OF	55.:	
On this	day of, 19_	
before me personally to me known, who bei resides in	ng duly sworn, did depose and say that	-'ne
	of the	′
	corporation described in an	d
WHICH EXECUTED THE	oregoing instrument; that he knew the	
	tion; that the seal affixed to said	
instrument was such	corporate seal; that it was so affixed	by
the order of the Boa	ard of Directors of said corporation, a	nd
that he signed his r	name thereto by like order.	
	. *	
	Notary Public	

not specifically bound by the terms of this Order.

XXXI. The provisions hereof shall constitute the complete and entire Order between Respondent and the Department concerning the Site. No terms, conditions, understandings or agreements purporting to modify or vary the terms hereof shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestions or comments by the Department regarding reports, proposals, plans, specifications, schedules or any other writing submitted by Respondent shall be construed as relieving Respondent of its obligations to obtain such formal approvals as may be required by this Order.

DATED:

, New York , 198

HENRY G. WILLIAMS
Commissioner
New York State Department of
Environmental Conservation

OSRIRF 10/12/87 Page 1 of 5

PRELIMINARY ASSESSMENT OFF SITE RECONNAISSANCE INFORMATION REPORTING FORM

Date: 101.2 1987	-
Site Name: AN AIR BRAISE CO.	TDD: 02-870 -42
Site Address: Street, Box, etc.	
Water town Town	
County	
State New York	
NUS Personnel: Name	Discipline
Jane Bullis	Env. Scientist
Sue Kennely	Env. Scientist
Weather Conditions (clear, cloudy, rain, snow, etc. Clear Sunny 65° 5-	c.):
Estimated wind direction and wind speed:/On	iph s
Estimated temperature: 65° /=	
Signature: Jane Bully	Date: 11/2/87
Countersigned: Susan Kenned	Date: //2/87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: Nov. 2, 1987
Site Name: N.M. Air Brake Co. TDD: 02-8710-42
Site Sketch: Landfill ()
Indicate relative landmark locations (streets, buildings, streams, etc.). Provide locations from which photos are taken.
Marsh April 12 Form
Starbuck Rd.
Pearl St.
Parking Lot A A M
Signature: Dullin Date: Nov 2, 1987
Countersigned: Juna Kenned Date: 11/2/87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date:
Site Name: N.Y. Air Brake Co. TDD: 02-8710-42
Notes (Periodically indicate time of entries in military time):
Arrive at 5.84 400 1500
Site take up total block between
Starbuck Rd and Purch Rd.
Entire sile fenced - main entrance
has guard gate.
Homes are jocated airosi the street on
Starbuck and rearl
Two smoke stacks on-site one of which
emilling smoke
Storm draws are lauted along the parking lot on the N-7 Air Brake side of Starbuck the
on the N-7 Air Brake side of Starbuck My
Signature: Jane Bulk, Date: 11/2/87
Countersignature: Super Kenned Date: 1/2/87

PRELIMINARY ASSESSMENT INFORMATION REPORTING FORM

Date:	NOV. 2	1987	_	
Site Name: _	N.Y. Air	Brake Co	TDD:	02-8710-42
Photolog:				
IP -13	Date 11/2/87 11/2/87 11/2/87	1522	Photographer S. Bullis J. Bullis J. Bullis	Description Looking East at N.T. Air Brake along Starbuck Ave Looking East at N.T. Air Brake along Starbuck Looking East at N.T. Air Brake along Starbuck Ave Looking North at Main batte on Pearl St.
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and count	ersignature on	each.		e, TDD number, signature,
Signature	ighature: Su	son kex	ned Date	
Counters	igliarore.		J	

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date:	
Site Name:	TDD:
Notes (Cont'd):	
Attach additional sheets if necessar and countersignature on each.	y. Provide site name, TDD number, signature,
Signature:	Date:
Countersignature:	Date:

PRELIMINARY ASSESSMENT INFORMATION REPORTING FORM

Date:	
Site Name:	TDD:
Notes (Cont'd):	
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Attach additional sheets if necessary. Provi	de site name, TDD number, signature,
ignature:	
Countersignature:	Date: